

Resource Summary Report

Generated by [kravitz2](#) on Jul 31, 2026

F344-Hspa8^{em1Opu}

RRID:RGD_598092574

Type: Organism

Proper Citation

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Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=598092574>

Proper Citation: RRID:RGD_598092574

Description: Rattus norvegicus with name F344-Hspa8^{em1Opu} from RGD.

Species: Rattus norvegicus

Notes: The Hspa8 mutation (c.284T>A) in the KK rat (NBRP Rat No. 0890)(RGD:598092575) was inserted into the F344/Jcl. Knocking in of the mutant allele was performed by lsoDN-mediated knock-in with the CRISPR-Cas9 system. The gRNA and PAM sequences are gtgccacaagctattaaatatgg (PAM: tgg) and ccattatggtgggctctctccc (PAM: cca). In KI rats, each PAM sequence is replaced by a silent mutation. Two lines were obtained from founder rats. In line 1, there is one SNP in the intron where the upstream gRNA, but this is not related to the phenotype. This strain was produced with the support of the AdAMS (Advanced Animal Model Support). [National BioResource Project for the Rat in Japan](#)

Catalog Number: 598092574

Background: mutant

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Cryopreserved Sperm (as of 2025-03-27)

Alternate IDs: 598092574

Organism Name: F344-Hspa8^{em1Opu}

Record Creation Time: 20250416T090722+0000

Record Last Update: 20260725T194313+0000

Ratings and Alerts

No rating or validation information has been found for F344-*Hspa8*^{em1Opu}.

No alerts have been found for F344-*Hspa8*^{em1Opu}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Rat Genome Database (RGD)

Usage and Citation Metrics

We have not found any literature mentions for this resource.